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1892/97

Chicago College of Pharmacy

THE SCHOOL OF PHARMACY

— OF —

THE UNIVERSITY OF ILLINOIS.

Thirty-seventh Announcement

1896='7.

TIME CARD, 1896-7.

EXERCISES.		JUNIOR.			SENIOR.		
		TUESDAY.	THURSDAY.	SATURDAY.	MONDAY.	WEDNESDAY.	FRIDAY.
{	Recitations, 9 to 10 A. M.	Chemistry. Mr. Thorburn.	Pharmacy. Mr. Case.	Materia Medica. Mr. Day.	Chemistry. Mr. Thorburn.	Pharmacy. Mr. Case.	Materia Medica. Mr. Day.
	{	Pharmacy. Prof. Hallberg.	Chemistry. Prof. Puckner.	Chemistry. Prof. Puckner.	Pharmacy. Prof. Hallberg.	Chemistry. Prof. Puckner.	Chemistry. Prof. Puckner.
Lectures, 10 to 11 A. M. and 11 A. M. to 12 M.		Materia Medica. Prof. Goodman.	Materia Medica. Prof. Goodman.	Pharmacy. Prof. Hallberg.	Materia Medica. Prof. Goodman.	Materia Medica. Prof. Goodman.	Pharmacy. Prof. Hallberg.
		Recess.	Recess.	Recess.	Recess.	Recess.	Recess.
{	Noon Recess, 12 M. to 1 P. M.	1 to 5 P. M. Sections I and II. Chemistry. Prof. Puckner and Mr. Thorburn.	1 to 5 P. M. Sections III and IV. Chemistry. Prof. Puckner and Mr. Thorburn.	1 to 2 P. M. Section I. Pharmacognosy. Mr. Day and Mr. Schreiner.		1 to 3 P. M. Section I. Microscopy. Mr. Day and Mr. Schreiner.	1 to 2 P. M. Pharmacognosy. Mr. Day and Mr. Schreiner.
		1 to 3 P. M. Section III. Microscopy. Mr. Day and Mr. Schreiner.	1 to 3 P. M. Section I. Microscopy. Mr. Day and Mr. Schreiner.	2 to 3 P. M. Section II. Pharmacognosy. Mr. Day and Mr. Schreiner.	1 to 6 P. M. Chemistry. Prof. Puckner and Mr. Thorburn.	1 to 3 P. M. Section II. Dispensing. Prof. Hallberg and Mr. Case.	
{	Laboratory Instruction, 1 to 6 P. M.	1 to 3 P. M. Section IV. Dispensing. Prof. Hallberg and Mr. Case.	1 to 3 P. M. Section II. Dispensing. Prof. Hallberg and Mr. Case.	1 to 3 P. M. and IV. Pharmacy. Prof. Hereth.		3 to 5 P. M. Section I. Dispensing. Prof. Hallberg and Mr. Case.	2 to 6 P. M. Pharmacy. Prof. Hereth.
		3 to 5 P. M. Section III. Dispensing. Prof. Hallberg and Mr. Case.	3 to 5 P. M. Section I. Dispensing. Prof. Hallberg and Mr. Case.	3 to 5 P. M. Sections I and II. Pharmacy. Prof. Hereth.		3 to 5 P. M. Section II. Microscopy. Mr. Day and Mr. Schreiner.	
		3 to 5 P. M. Section IV. Microscopy. Mr. Day and Mr. Schreiner.	3 to 5 P. M. Section II. Microscopy. Mr. Day and Mr. Schreiner.	4 to 5 P. M. Section IV. Pharmacognosy. Mr. Day and Mr. Schreiner.			

Dispensing Laboratory opens January 4, 1897.

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EXERCISES.	JUNIOR.				SENIOR.		
	TUESDAY.	THURSDAY.	SATURDAY.	MONDAY.	WEDNESDAY.	FRIDAY.	
	Chemistry. Mr. Thorburn.	Pharmacy. Mr. Case.	Materia Medica. Mr. Day.	Chemistry. Mr. Thorburn.	Pharmacy. Mr. Case. Chemistry.	Materia Medica. Mr. Day. Chemistry.	
Recitations, 9 to 10 A. M. }							

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April 22, 1897.

TIME CARD, 1896-7.

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CHICAGO
COLLEGE OF PHARMACY

THE SCHOOL OF PHARMACY

— OF —

THE UNIVERSITY OF ILLINOIS

Thirty-seventh
Annual Announcement
1896-7

REGULAR SESSION

Opening October 6, 1896.

Closing April 22, 1897.

CHICAGO COLLEGE OF PHARMACY,
465-467 State Street,
CHICAGO.



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1896/97

UNIVERSITY OF ILLINOIS.

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EMBRYOLOGY

CHARLES ATWOOD KOFOID, PH. D., Superintendent of the Bio-
logical Station of the University.

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FOR TIME CARD SEE INNER FRONT COVER.

THE CHICAGO COLLEGE OF PHARMACY.

HISTORICAL SKETCH.

DURING the summer of 1859 an agitation in favor of higher education for the pharmacist was instituted among the druggists of Chicago.

At that time there was no institution teaching pharmacy west of the Alleghanies and but three in the entire country.

This educational movement owed its origin to the widespread influence of the American Pharmaceutical Association and resulted in a mass meeting of the druggists of Chicago during the latter part of August, 1859.

At this meeting, of which Dr. F. Scammon was chairman and J. M. Woodworth secretary, it was resolved to organize and establish a school of pharmacy and as a result there was founded the Chicago College of Pharmacy, which was incorporated upon the 5th of September of the same year.

The officers elected for the first year were: Dr. Franklin Scammon president; F. A. Bryan, first vice-president; Dr. Frederick Mahla, second vice president; James D. Paine, secretary and S. S. Bliss, treasurer. The trustees consisted in addition to the above of E. L. O'Hara, W. H. Muller, Edwin O. Gale, George Buck and L. F. Humiston.

Preparations for teaching were made at once. A faculty was appointed consisting of Dr. James V. Z. Blaney, then professor of chemistry at Northwestern University and at Rush Medical College; Dr. John H. Rauch, afterwards secretary of the State Board of Health, and Dr. Franklin Scammon, a pioneer druggist and botanist.

The course opened in November, 1859, and continued for twenty weeks. Lectures were given upon three evenings each week.

The lectures upon chemistry by Dr. Blaney were delivered at Rush Medical College, those on pharmacy, Dr. Scammon, and *Materia Medica*, Dr. Rauch, were given at the Lombard block, corner of Clark and Washington streets.

The attendance the first year was somewhat over forty and consisted largely of members of the College, of whom there were then about one hundred.

The next year the instruction was continued. Dr. Frederick Mahla replaced Dr. Rauch. At the close of this session two graduates were presented.

The Civil War breaking out soon afterward, some of the teachers and many of the students enlisted and the course was suspended, though lectures upon chemistry and pharmacy by Dr. Mahla and upon materia medica by Dr. James Adams Allen, late president of Rush Medical College, were given during the winter of 1861-2.

In February, 1867, the College was reorganized. Friends contributed liberally money, books, apparatus and specimens, and the instruction was resumed. Dr. Blaney, Dr. D. B. Trimble and G. M. Hambright formed the faculty and the rooms were located at Rice's Building on Dearborn street between Washington and Randolph streets.

In July, 1867, a proposition was received from Rush Medical College tendering the College of Pharmacy the use of several rooms in return for access to the library and cabinet of specimens belonging to the latter. Negotiations were unsuccessful, however, but as an evidence of good feeling the College tendered the medical faculty the use of the Cabinet and Library without consideration.

In 1868 the Pharmacist was established by the association and this journal, the third pharmaceutical journal in America was successfully conducted by the College until 1885 when it was incorporated with the Western Druggist.

In 1869 Dr. Trimble resigned and the chair of materia medica and botany was occupied by Professor Hambright while Professor N. Gray Bartlett was elected to the chair of pharmacy. In 1870 there were one senior and forty junior students in attendance. In 1871 Dr. Blaney resigned and was succeeded by Professor Bartlett and Mr. A. E. Ebert occupied the chair of pharmacy. But three lectures had been delivered when the great fire destroyed the equipment. The Philadelphia College of Pharmacy, however, very generously offered to honor all tickets purchased at the Chicago College, and many of the students availed themselves of the offer.

But pharmacists throughout the world, and especially those of Great Britain headed by Messrs. Atfield, Brady, and Ince contributed money, books, apparatus and supplies, placing the institution on a firmer footing than before. Rice's Building having been re-erected, again provided quarters and Professors N. Gray Bartlett, J. W. Mill, H. H. Babcock and G. M. Hambright furnished the instruction, beginning with the session of 1872-73.

In 1876 the growth of the classes necessitated more space, and larger quarters were obtained at the northwest corner of Wabash avenue and Jackson street. Four years later these too were outgrown and still more commodious quarters were secured at the southwest corner of Michigan avenue and Van Buren street, where even the most sanguine thought the College would have room enough for years to come.

In 1883 the needs of the College required greater space, and a handsome brick structure, forty feet wide, one hundred and thirty-eight feet deep and three stories in height was built. This building, which is still occupied by the College, is located on State street within easy walking distance of the center of the city and here the College has steadily accumulated books, apparatus and specimens until it has become one of the best equipped schools of pharmacy in the country.

Among the teachers who have been connected with it since the fire may be mentioned Dr. H. D. Garrison, N. Gray Bartlett, E. S. Bastin, O. Oldberg, J. H. Long, P. S. Hayes, E. B. Stuart, D. H. Galloway, L. C. Hogan, A. G. Manns, H. C. C. Maisch, C. G. Wheeler, J. A. Wesener H. W. C. Martin, and the present faculty.

In 1880 the druggists of the state, feeling the necessity of legislation to regulate the practice of pharmacy, met in Springfield, for the purpose of agitating this matter. The result was the organization of the Illinois Pharmaceutical Association. A pharmacy law was prepared and submitted to the legislature, and what is known as the "Pharmacy Law of 1881" was passed. This enactment prescribed educational qualifications for the practice of pharmacy and it was deemed proper that the State should provide the means of obtaining this education. Accordingly a move was made to transfer the Chicago College of Pharmacy to the State University, but upon investigation it was found that the charter of the latter did not permit of departments outside of Champaign county, and it being thought that a large city was the best place for the pharmacy school the plan was, for the time being, abandoned.

Later, overtures were made to the College by sectarian institutions, which, having medical departments, desired to annex a school of pharmacy, but its members felt that the usefulness of the institution would not be so well subserved as by becoming a part of the state institution, and these offers were declined.

At a recent session of the legislature the University of Illinois was empowered to establish schools outside of Champaign county. The Chicago College of Pharmacy, which had been held in trust by its members, was again offered to the Trustees of the University, and the gift, after due consideration and investigation, being accepted, the Chicago College of Pharmacy became the School of Pharmacy of the University of Illinois.

THE UNIVERSITY OF ILLINOIS, *the State University*, has its seat in Champaign county, in the eastern central part of the state, between the cities of Champaign and Urbana, within the corporate limits of the latter. It is one hundred and twenty-eight miles southward from Chicago, at the junction of the Illinois Central, the Cleveland, Cincinnati, Chicago and St. Louis, and the Wabash railroads. The situation is a beautiful one, and the "art that doth mend nature" has added rare charms to the grounds and surroundings.

The State University, organized in 1867 upon the foundation laid by the national government in 1862, in an act intended to provide for "the liberal and practical education of the industrial classes in the several pursuits and professions of life," received from the national government scrip for 480,000 acres of land—25,000 acres of which were located in Nebraska and Minnesota, the rest being sold for what it would bring. In order to secure the location of the University within its borders Champaign county donated a large brick seminary building, about 1,000 acres of land and \$100,000 in county bonds. The Illinois Central Railroad gave \$50,000 in freight. In consideration of this offer the institution was located in the suburbs of Urbana adjoining Champaign. The State Legislature has from time to time appropriated various sums for permanent improvements as well as for maintenance. The present value of the entire property is \$1,600,000. By act of 1887 the national government appropriates \$15,000 per year for maintenance of the United States Agricultural Experiment Station for Illinois which is in the charge of the University trustees.

In 1890 by passage of a law supplementary to the act of 1862 the congress of the United States provided further appropriations which for the present year amount to \$22,000, to be increased \$1,000 annually until \$25,000 is reached; which sum is then to be paid yearly thereafter.

The trustees of the University are nominated in the state conventions and are elected, together with other state officers, by vote of the citizens of Illinois.

THE SCHOOL OF PHARMACY OF THE UNIVERSITY OF ILLINOIS

Provides instruction for such young men and young women as desire to acquire the special training necessary for the successful practice of pharmacy.

The importance of a thoroughly scientific training in pharmacy, both to the pharmacist and to the public, is now fully and generally recognized. It is also generally acknowledged that the dispenser of medicines must be held responsible for the purity and the strength of his preparations, and that he must be truly a pharmacist and not merely a salesman.

No less evident is it that the necessary education cannot be secured in the drug store alone, however valuable the practical experience gained there may be.

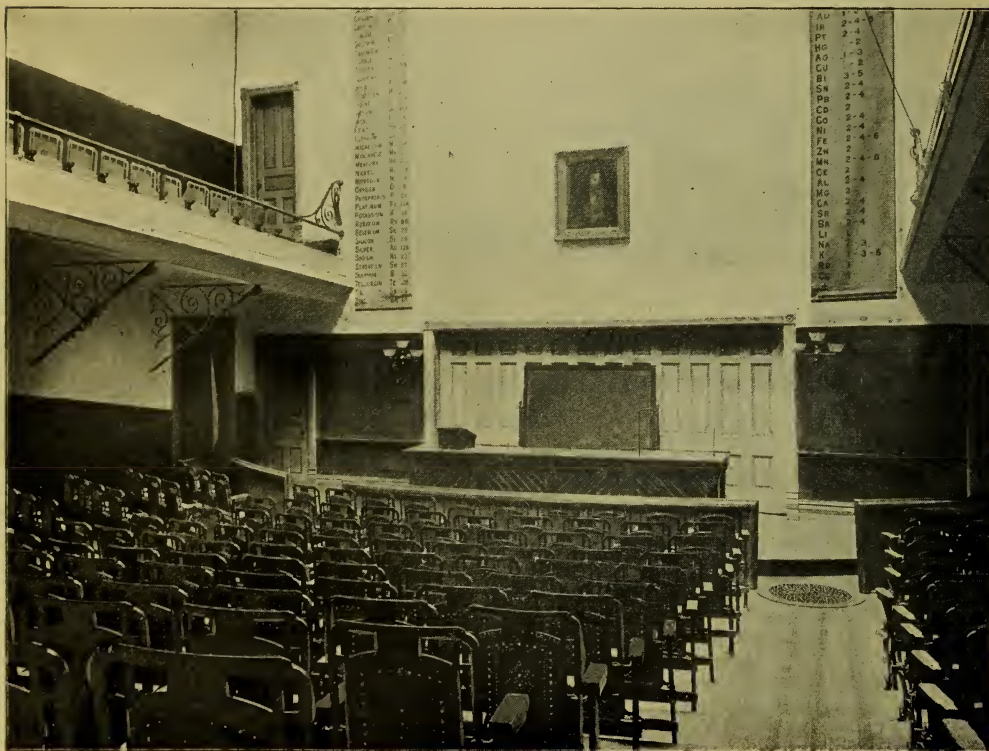
It is only by a thorough and systematic study of pharmacy and the sciences intimately related, study pursued under the guidance of experienced teachers and aided by the facilities for instruction which a well equipped school of pharmacy affords, that the student attains the knowledge and skill requisite to fit him for his professional career. It is evident that suitable preparation for the life work of the practical pharmacist can be had only by giving due consideration to both sides of his education. This will include the actual experience in a dispensing pharmacy on the one hand, and on the other such school training and laboratory practice as are provided by the best schools of pharmacy.

Should the student desire to carry his studies farther, to qualify himself either as a teacher or technical expert, he may avail himself of the courses of instruction offered by the College of Science of the University with the assurance that credit will be given him for work satisfactorily finished at the School of Pharmacy.

THE COLLEGE BUILDING.

The building which the College occupies is advantageously located upon State street, near Polk street, close to the center of the business district of the city. Cable car lines pass the door, the new elevated loop is within three blocks and the principal depots not far distant, making the College easily accessible from all parts of the city and suburbs. Good board and lodging can be obtained in the vicinity of the school at reasonable rates.

Our entire building is devoted to the education of pharmacists. It was designed by practical pharmacists for that purpose, and nothing which experience could suggest was overlooked at the time of its construction.



ATTFIELD HALL: THE AUDITORIUM.

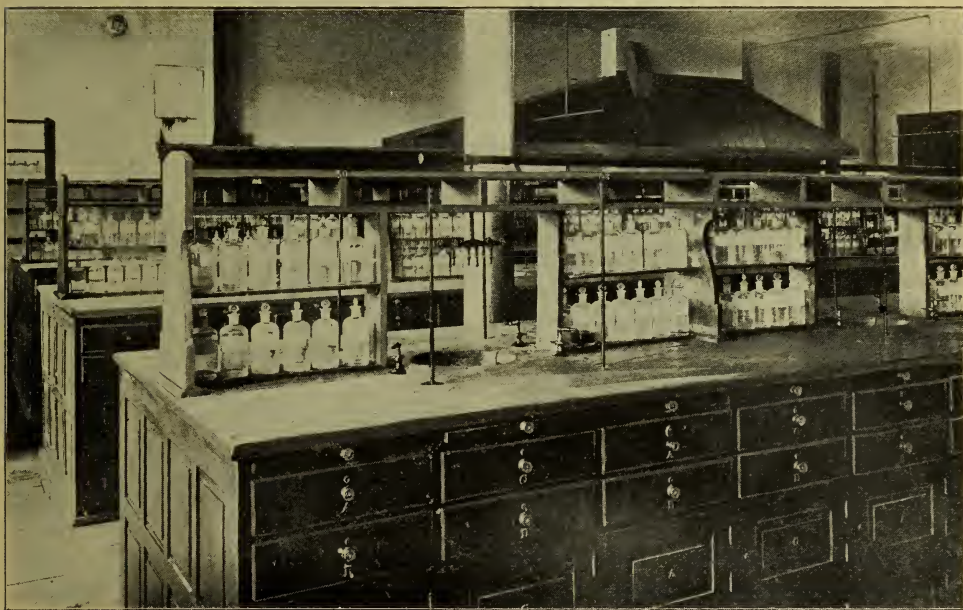
THE LECTURE HALL

Is ample, neatly fitted in amphitheater form with opera chairs for five hundred, and is known as Attfield Hall, as a token of appreciation for what our English friends did for this College at the time of the great fire.

Besides the Lecture Hall the building contains three laboratories, the office and reading room, store rooms, etc., etc.

THE PHARMACAL AND CHEMICAL LABORATORY

Is provided with work-stands for ninety-six students, and has four times this number of lock-drawers, so that a class of three hundred and eighty-four may be divided into *four sections* if necessary, and each individual have his apparatus under lock and key. Aside from the necessary kit furnished each student the laboratory is provided with other chemical apparatus used



A SECTION OF THE PHARMACAL AND CHEMICAL LABORATORY.

to demonstrate the operations on a more extended scale. In connection with this room are a weighing room, store room, fume chambers, drying closets, etc.

Each desk is three feet long and is supplied with water, sink, gas, water-bath, sand-bath, percolators, stand, graduates, funnels, thermometers, specific gravity apparatus, etc.

THE DISPENSING LABORATORY

Is fitted with an equipment especially designed for instruction in the art of compounding and dispensing prescriptions. The arrangement of counters and shelves is such as to avoid interference between the operators during the manipulations, and affords the director an unobstructed view of the entire class. The space for each operator is similar to a part of a well-arranged prescription department of a pharmacy.



VIEW OF DISPENSING LABORATORY.

This laboratory occupies the entire ground floor of the building proper, and contains one hundred and twenty feet of counters and shelf fixtures.

Portions of these fixtures were exhibited at the World's Fair and were especially commended.

THE MICROSCOPICAL LABORATORY

Is situated upon the second floor, and is adapted for classes of forty students. A compound microscope magnifying from seventy-five to four hundred

diameters is provided for each person. The individual equipment consists of reagents and mounting media, slides, cover glasses, forceps, and other necessary apparatus. This room also contains the Materia Medica Cabinet of over three hundred samples of crude drugs contained in half gallon bottles and as many stock cans to which the students have free access. Here are also a collection of two hundred rare drugs, mostly from Central and South America, and another collection of 553 specimens embracing those official in the pharmacopœias of France, Germany, Great Britain and



VIEW OF THE MICROSCOPICAL LABORATORY.

Scandinavia. Other features are a large number of illustrations of medicinal plants and a very extensive herbarium, the latter collected by Professor Bastin and his assistants during his connection with the botanical department of this college. It numbers several thousand specimens and a sample of every plant growing in this section of the country, many from the southern states and from the far west may be found in this collection.

THE OFFICE

In which all the business of the school is transacted by the Actuary and his assistant is upon the second floor; and serves also as a READING ROOM. This room also contains the Library, which, in addition to the regular works of reference, embraces many rare books. New books are constantly being added as the various departments of science progress.



VIEW OF THE OFFICE.

Here all the leading Pharmaceutical Journals are kept on file for the students' perusal.

The facilities offered by the Chicago College of Pharmacy are excellent in every respect as is also attested by the fact of the award of a medal and diploma by the World's Fair Commission, a copy of which is upon the following page:

UNITED STATES.

DEPARTMENT L—LIBERAL ARTS.

Exhibitor—CHICAGO COLLEGE OF PHARMACY.

Address, CHICAGO, ILL.

Group 149. Class 852.

Exhibit—EDUCATIONAL EXHIBIT.

AWARD.

PHARMACEUTICAL PREPARATIONS.—A variety of elegant preparations coming up to the standard laid down by the Pharmacopœia and showing much skill in their manufacture.

OFFICIAL DRUGS.—A collection of 553 specimens of natural organic products used in medicine and official in the United States, German, British, French and Swedish Pharmacopœias, all well preserved and mounted.

UNOFFICIAL DRUGS.—A collection of 183 specimens of rare drugs, indigenous to various countries. The specimens are well preserved and represent the plants and plant life as well as it is possible for dry specimens to do.

PUBLICATIONS.—A collection of rare and very valuable old books, printed in the 16th, 17th and 18th centuries, including the works of Galen, published in Venice in 1556, and the entire volumes of the Edinburgh Dispensatory.

DRAWINGS OF MEDICINAL PLANTS.—Life-like drawings of 48 specimens of medicinal plants indigenous to Cook County, Illinois, drawn by Professor Goodman, to illustrate the methods employed in the College to familiarize students with plants and plant life. The drawings are more durable and more typical representations than the dried and mounted specimens constituting herbaria, for the usual purpose of instruction in botany.

SECTIONS OF DISPENSING LABORATORY.—The well arranged counter and shelving showing great convenience and a distinct advancement in the art of dispensing and extemporaneous compounding, having the operating table free from the usual superstructure and the apparatus, containers, balance, *et cetera*, placed in an independent fixture, and thus not obstructing the view of the manipulations involved in dispensing.

The plan is commended as a vast improvement in convenience and cleanliness.

(Signed) J. D. HUMPHREY,
Individual Judge.

Approved: K. BUENZ,
President Departmental Committee.

Approved: JOHN BOYD THACHER,
Chairman Executive Committee on Awards.

Copyist, J. B. S.

Date, July 14th, 1893.

REQUIREMENTS FOR ADMISSION AND GRADUATION.

ADMISSION.

Applicants for admission must be at least sixteen years of age and must furnish evidence of their ability to prosecute the work of the course successfully.

The preliminary education should be equivalent to that required for entrance to a good high school.

Students who have pursued courses of study in other Colleges of Pharmacy will be given credit for such portions of their work as are equivalent to the work required by this College.

FOR GRADUATION.

The candidate for the degree Graduate in Pharmacy must be twenty-one years of age, have had *four years' practical experience* in Pharmacy including the period of attendance at College, and must have attended two full courses of instruction, the first of which may have been in some other reputable College or School of Pharmacy. He must have attended regularly the Laboratory and Lecture courses of this College, successfully pass the periodical examinations throughout the term as well as the Final, and must not have been absent more than five times during the term from either laboratory exercises or lectures in any department.

Students who are not less than eighteen years of age and who fulfill all of the requirements noted above, except that pertaining to practical experience, will receive the degree of Pharmaceutical Chemist.

COURSES OF INSTRUCTION.

The courses of instruction embrace:

PHARMACY — *Theoretical, Practical, and Dispensing.*

CHEMISTRY — *Organic, Inorganic, and Analytical.*

MATERIA MEDICA — *Pharmacognosy and Microscopy.*

BOTANY — *Structural, Histological, and Systematic.*

PHYSICS, and PHYSIOLOGY.

The system of teaching includes Lectures, Demonstrations, Recitations, Written and Oral Examinations, as well as Individual Instruction in actual work in Operative Pharmacy, Analytical Chemistry, use of the Compound Microscope, etc. Much time is devoted to laboratory practice.

THE INSTRUCTION is given in two annual courses, the Junior and Senior, each course lasting twenty-six weeks, exclusive of vacations.

PHARMACY.

1. **INTRODUCTORY.**—The lectures begin with the consideration of Pharmacy in its historical, professional and legal relations, with a thorough exposition of metrology, including the metric system and specific gravity.

2. **OPERATIVE PHARMACY.**—The various processes are theoretically considered according to their relations to physical laws and phenomena. Their applications in Pharmacy are presented in logical order and exemplified by practical demonstration in the exhibition and use of the various apparatus, utensils and devices employed in pharmacal practice.

Heat, its sources and uses as involved in the many processes for effecting physical and chemical changes in solids and liquids.

Solution, its phenomena, effects and causes; related processes with their dependent separative operations; filtration, extraction and their modifications.

3. **GALENICAL PREPARATIONS OF THE UNITED STATES PHARMACOPŒIA.**—These are grouped according to the methods of preparation and their strengths. Especial reference is made to the synonyms, common uses and doses. The preparations of the National Formulary and those of the foreign pharmacopœias most commonly employed in America, are considered in this connection. This work closes with a review and a prognosis of the extractive preparations of the pharmacopœia.

4. **INORGANIC PHARMACEUTICAL CHEMISTRY.**—The elements, their inorganic compounds and preparations. One or more typical specimens of the preparations of each group are prepared directly before the class, and the various points in the process carefully demonstrated to serve as a guide when the subject is considered in the laboratory. Specimens of the compounds and preparations are exhibited at the lectures.

5. **EXTRACTIVE PREPARATIONS.**—The simplest forms, infusions and decoctions are first considered, then those requiring more elaborate treatment, the tinctures, fluid extracts, extracts, resins, etc. These are presented in progressive order, their pharmacal relations illustrated and relative strengths contrasted by grouping them according to their drug-strength. This system is of advantage for computing dosage of all preparations upon a drug basis.

6. **MIXTURES OF SOLIDS** are next considered also in the progressive order. The preparations for internal use, beginning with the simplest forms, powders, and advancing to the more complicated forms, masses and pills, confections and troches, etc

The preparations for external use are presented in the order of their consistence: Ointments, cerates, suppositories and plasters, their relative fusibilities, indicating their respective therapeutic uses and hence the pharmacal methods involved in their elaboration.

7. PRESCRIPTIONS.—Preliminary to the work in dispensing, prescriptions are considered in their construction, orthography, interpretation, posology and in the magistral forms for the therapeutic uses met with in dispensing.

8. PHARMACY OF THE ORGANIC SUBSTANCES AND COMPOUNDS.—These are classified according to their origin, production or derivation and treated with especial reference to their preparation and purification, tests for identity, purity and strength, pharmacal preparations and medicinal uses and doses.

Beginning with the cellulose group, its modifications, starch, sugars, alcohols and acids and their derivatives, leads up to the coal tar derivatives and the pharmacy of the synthetic products.

The oils, fixed and volatile, with the oleoresins, resins, gumresins, balsams and exudation products generally, the acids, alkaloids and proximate principles are so grouped as to afford the most practical view of their pharmaceutical and medicinal properties and uses.

The classification of crude drugs according to their constituents, their unofficial preparations, together with the animal products and derivatives; the ferments, their function and value as pharmacal and medicinal agents, concludes the course.

PHARMACEUTICAL LABORATORY.

The exercises in the laboratory follow closely the lectures, thus serving to illustrate the theoretical study and to emphasize the practical points and important considerations generally of operative pharmacy. One or more preparations illustrative of the various processes and their operations are made by each student under the supervision of the director. Preparations typical of the official as well as unofficial classes are also made and their examination, testing and valuation conducted so as to familiarize the student with all the requirements of pharmacal practice.

This course also includes the preparation of such mixtures of solids for internal and external use as are adapted to manufacture on a small scale and may be kept on hand in the pharmacy, including triturations, troches,

pills, oleates, ointments, cerates, suppositories and plasters, together with the valuation of the more important alkaloidal extractive preparations, tinctures, extracts and fluid extracts. Also the manufacture of scaled and granular salts and unofficial preparations of the National Formulary. The end of the course is devoted to the study of the assay processes of the pharmacopœia, the examination of pharmacaal preparations and the construction of formulas for unofficial preparations.

DISPENSING LABORATORY.

The exercises in this laboratory comprise the preparation of the most important solutions and mixtures of the United States Pharmacopœia and the National Formulary, intended for extemporaneous compounding. Such preparations are selected as will exemplify all the common phases of compounding and involve illustrations of the art of manipulation. Especial care is given to the correction of crude and otherwise faulty methods of work and to the proper and expeditious use of apparatus and implements.

The second part of this course begins with the preparation of mixtures of solids adapted to extemporaneous compounding, powders in their various modifications, capsules, cachets, etc., tablets, triturates and pills with various coatings. Those for external use including ointments, plasters and suppositories are also prepared by the various methods in vogue.

Toward the close, mixtures, typical of all ordinary and of many extraordinary prescriptions are prepared and the methods for the prevention or modification of incompatibilities, etc., considered. Drills in prescription writing, Latin and abbreviations, foreign synonyms and directions, posology and the finishing of packages are features of the exercises.

CHEMISTRY AND PHYSICS.

1. The instruction in GENERAL CHEMISTRY includes the consideration of the elementary principles of the science, the non-metallic elements and their derivatives, the metallic elements and compounds. In the laboratory a number of typical and important chemical substances are prepared and their properties studied experimentally.

2. QUALITATIVE ANALYSIS.—The work begins with the analytical reactions of the more important inorganic acids, and proceeds to the systematic consideration of the basic elements, concluding with the identification of the constituents of unknown complex mixtures.

3. **VOLUMETRIC ANALYSIS.**—An introduction to the principles involved in volumetric analysis is first given, after which the student proceeds to the quantitative determination of the strength and purity of various pharmaceutical chemicals. During this course the student is obliged to familiarize himself with all of the volumetric tests required by the pharmacopœia.

4. **QUANTITATIVE ANALYSIS.**—Opportunity is afforded for practice in the principles and methods of gravimetric quantitative analysis, including determinations and separations.

5. **ORGANIC CHEMISTRY.**—The course begins with the consideration of the general characteristics of organic compounds, the methods of proximate and ultimate analysis, determination of vapor density, molecular weights and physical constants, after which the more important organic substances are treated in proper sequence, particular attention being given to those which are of especial importance in pharmacy and medicine. In the laboratory a number of typical organic compounds are prepared and examined.

6. **URINE ANALYSIS.**—This course includes the detection of abnormal constituents of urine and the quantitative determination of urea, sugar, etc.

PHYSICS.

The work in physics is intended to familiarize the student with the principles involved in the construction and use of the various instruments employed in the courses of school instruction and in the practice of pharmacy. It includes such consideration of the properties of matter and the manifestations of energy, heat, light, sound and electricity as is necessary for the comprehension and understanding of the application of these principles in the use of the analytical balance, the microscope, polariscope, spectroscope, etc., the manipulation of galvanic batteries and electrical machines.

MATERIA MEDICA AND BOTANY.

1. **BOTANY.**—The aim of the instruction in botany is to give the student a comprehensive view of the science as related to the practice of pharmacy, a knowledge of the various parts of plants, their development and functions and such thorough drilling on plant analysis that he may be able to name unknown plants.

2. **VEGETABLE HISTOLOGY.**—The instruction in this subject is given entirely in the laboratory and consists of twenty-five exercises of two hours each. The compound microscope is employed throughout the course which includes the study of the cell as the element of plant structure; the various forms of cells; the cell wall, its character and markings; the cell contents, especially those which are characteristic; the aggregation of cells composing tissues, and the grouping of these tissues into the tissue systems.

The material for this study is selected as far as possible, from medicinal plants. The aim of this course is to familiarize the student with the minute structure of plants, leading to the microscopic study of vegetable drugs.

3. **MATERIA MEDICA.**—This course consists of lectures, recitations and laboratory study of the official organic drugs, classified according to their botanical relation.

Each drug is considered with reference to the following points: Official and common names, official definition, natural order, description of the plant, habitat, commercial history, description of the drug, constituents, medicinal properties, official preparations and dose.

The more important unofficial drugs receive due consideration.

The laboratory work consists of exercises in the description and identification of the drugs as taken up in the lectures.

4. **ANATOMY AND PHYSIOLOGY.**—A number of the concluding lectures are devoted to these subjects considering the organs of the human body, their physiological functions, the action of medicines upon the system and the application of remedies in the treatment of disease.

5. **MICROSCOPY.**—The course in this department includes the study of the microscope and microscopic technique, considering the history of the instrument, the optical principles involved in its construction, the function of each part, lighting and focussing, methods of drawing and measuring microscopic objects, the use of the micro-polariscope, micro-spectroscope and other accessories, as well as the cutting of sections, the application of micro-chemical tests and the staining and mounting of microscopic objects. This course leads to the succeeding one;

6. **MICROSCOPIC PHARMACOGNOSY**, which consists in the microscopic study of vegetable drugs, selecting typical specimens of roots, rhizomes, stems, barks, leaves, flowers, fruits and seeds.

Twenty-five exercises of two hours each are devoted to this study.

OTHER COURSES OF LECTURES.

A number of lectures upon subjects closely associated with pharmacy will be given by members of the corps of instruction of the University, and by other technical experts. The subjects considered will include:

Bacteriology, Embryology, Physiology, Hygiene, the Protozoa as Causes of Disease, Some Modern Theories of the Nature and Origin of Life, Water Supplies and the Sanitary Examination of Water, Preservation and Adulteration of Food, Inspection of Milk and Foods.

A COURSE of LECTURES upon *Pharmaceutical Practice* and kindred topics will be delivered by prominent pharmacists.

The particular subjects of these lectures will be announced later.

ADVANCED SCIENCE STUDIES AT THE UNIVERSITY.

At the University, in Urbana, opportunities are afforded for advanced study in all of the sciences involved in or associated with Pharmacy.

CHEMISTRY.

Courses of instruction in chemistry, embracing all branches of chemical science, provide on the one side for those who wish to acquire the knowledge and skill necessary to the expert analyst, the pharmaceutical chemist, or the manager of a chemical industry, and on the other for those whose aim it is to devote themselves to the purely scientific side of the subject as investigators, or as teachers of chemistry.

Twenty courses in chemistry are offered, aggregating more than thirty terms' work. These include inorganic, organic, technological, physical, and theoretical chemistry; qualitative and quantitative analysis; toxicology, urinalysis, plant analysis, sanitary examinations of food, air and water, pharmaceutical assaying, etc. There are ample opportunities for practice in the examination and analysis of medicines, nostrums, etc., and for special chemical investigation of pharmaceutical materials, proximate and medicinal principles of drugs, etc.

Excellent facilities are offered also for graduate work along any of the several lines above indicated. The equipment in chemicals and apparatus affords an unusual opportunity for carrying on advanced investigations.

The CHEMICAL LABORATORY is a building 75x120 feet and two stories high besides well lighted basement and mansard stories. It contains 24 rooms in all, of which 14 are laboratories and the rest comprise lecture rooms, museum, store rooms, etc., etc.

BIOLOGY.

For the prosecution of biological studies there is every opportunity. Courses in botany, bacteriology, embryology, zoölogy and physiology are numerous and extensive and provide unexcelled means for either general study or specialization in these branches.

The material equipment of these courses is in all respects first class. The biological departments in Natural History Hall are provided with fourteen laboratories, eleven of which are devoted to students' use. These rooms are completely furnished and contain an ample and excellent instrumental equipment.

PREPARATION FOR MEDICAL STUDY.

The attention of those wishing a thorough and liberal preparation for the study and practice of medicine is particularly invited to the subjects offered to such students and the courses arranged for them in the University College of Science. Those who seek classical instruction as a preliminary to medical study will find their wishes met by the courses in Latin and Greek offered in the College of Literature and Arts; and those who value thorough and systematic training in the processes and methods of modern science, and a knowledge of such subjects as underlie scientific medicine or are intimately related thereto, will find matter of special interest to them in the courses of instruction in zoölogy, physiology, botany, chemistry, and physics offered in the chemical and natural science groups of the College of Science.

By taking advantage of the electives offered by the various departments the student preparing for medicine may make choice from six different courses, as follows: (*a*) he may take a literary course with classical study as its principal feature; (*b*) he may specialize in chemistry, graduating as a bachelor of science in the chemical group; (*c*) he may specialize in biology (zoölogy, embryology, physiology and bacteriology), graduating as a bachelor of science in the natural science group; (*d*) he may take a more general biological course leading to the same degree; (*e*) he may take a three years' science course at the University, postponing graduation there

until he has taken his medical course, and then presenting credits for the latter to the amount of a year's work and receiving his University degree of bachelor of science; or (*f*) he may take a two years' special course preparatory to medicine, not leading to a degree. The alternatives *d* and *e* of this enumeration are those especially commended to students wishing a sound and liberal preparation for modern medicine.

GENERAL INFORMATION.

TEXT BOOKS AND WORKS OF REFERENCE.

The books listed below have been selected as the best suited for students' use in connection with the courses of instruction. The student is advised to acquire all of them if practicable; he is required to provide himself with all those the titles of which are printed in italics.

PHYSICS.—*Avery's First Principles of Natural Philosophy.*

CHEMISTRY.—*Barker's College Chemistry, Elliot and Storer's Qualitative Analysis, Remsen's Organic Chemistry, Sadtler and Trimble's Pharmaceutical Chemistry, Schimpf's Volumetric Analysis, Richter's Organic Chemistry, Attfield's Chemistry, Prescott and Johnson's Qualitative Analysis.*

MATERIA MEDICA AND BOTANY.—*Sayre's Materia Medica, Gray's School and Field Botany, Fluckiger's Principles of Pharmacognosy, United States Dispensatory, Gage's Microscopical Methods.*

PHARMACY.—*The Pharmacopœia, United States or National Dispensatory, Hallberg's Lectures on Pharmacy, Remington's Practice of Pharmacy or Coblentz's Handbook of Pharmacy.*

GARDINER'S CONDENSED WEBSTER'S DICTIONARY.

PRIZES.

TRUSTEES' MEDALS.

To the Junior student in the department of Chemistry having the highest final average, provided it is ninety-six or over, will be awarded a gold medal.

To the Junior student in the department of Materia Medica having the highest final average, provided it is ninety-six or over, will be awarded a gold medal.

To the Junior student in the department of Pharmacy having the highest final average, provided it is ninety-six or over, will be awarded a gold

medal. It is expressly stipulated that no student shall receive more than one medal.

ALUMNI PRIZE MEDAL.

The Alumni Association offers a gold medal as a prize to the student who attains the highest general average, provided the average shall not be less than ninety-five per cent. No one shall be considered a competitor for this prize who is not taking a full course.

PRIZE MICROSCOPE.

A member of the College offers a prize consisting of a fine compound microscope to the student presenting the best collection of notes on *Materia Medica* and *Microscopy*, provided that in the opinion of the director of the laboratory the finished slides and work done by him are sufficiently meritorious. Attendance, attention and general neatness will be taken into account in awarding this prize.

FEES AND EXPENSES.

No fee is required for matriculation.

TUITION FEES.—The tuition fee for each of the two courses is seventy-five dollars. The ticket secured by payment of this fee entitles the purchaser to one continuous course of lectures in all departments, and in the Junior term entitles the student to four, and for half the term, to five laboratory exercises each week. The Senior student is entitled to one exercise each week in the chemical, microscopical, pharmacal and dispensing laboratories, and one in pharmacognosy. The lectures and the laboratory practice together with the required study provides sufficient work to occupy all of the time of the average student.

LABORATORY DEPOSIT.—Chemical and pharmaceutical apparatus and supplies together with microscopes and other implements required in the work of the courses are furnished by the College without expense to the student, but breakage or damage to apparatus must be paid for and for this reason each student is required to deposit five dollars with the Actuary. This deposit or such portion of it as is not required for the specified purpose will be refunded at the close of the term.

The fee for the recitations conducted by the instructors under the auspices of the Alumni Association is five dollars. The attendance at these recitations is optional.

The laboratory deposit and at least one-third of the tuition fee must be paid at the opening of the session. The remainder of the fees must be paid within thirty days after that date.

No fees are required for examinations or diploma.

BOARD AND LODGING.—Good board and lodging within walking distance of the College can be had for from \$4 to \$6 per week. This expense may be somewhat reduced by two or more students rooming together.

BOOKS.—The total sum expended for books during both courses need not exceed twenty-five dollars. They may be bought as required.

SELECTION OF SEATS.

Seats in the Lecture Hall and desks in laboratories will be assigned to students by the Actuary, at the opening of the session, in the order in which students are enrolled. To enroll it is necessary to fill out the matriculation blank and forward to the Actuary with a payment upon tuition of not less than five dollars.

OPPORTUNITIES FOR EMPLOYMENT.

While the lectures and laboratory exercises present to each student enough work to occupy his whole time, still the hours are so arranged as to permit students who so desire to serve a part of their time in stores, thereby defraying their personal expenses.

The Actuary keeps a register of students desiring employment and of pharmacists wishing to employ students.

There are, among the one thousand drug stores of Chicago and suburbs, many model pharmacies where the student may obtain valuable experience.

The compensation for such employment will average from five to six dollars per week.

The opening exercises will be held at the College on Tuesday, October 6, at 2:30 P. M.

Persons desiring further information concerning this school should address

W. B. DAY, Actuary,
465 State Street, Chicago, Ill.,
or W. L. PILLSBURY, Registrar,
Urbana, Ill.

COLLEGE CALENDAR.

1896.

Thursday,	October	1,	Examination of Candidates for Senior Class.
Tuesday,	"	6,	Opening Exercises; Address, 2:30 P. M.
Wednesday,	"	7,	Senior Lectures begin.
Thursday,	"	8,	Junior Lectures begin.
Friday,	"	9,	Senior Laboratories open.
Saturday,	"	10,	Junior Laboratories open.
Friday,	November	6,	Latest date for procuring Tickets.
Thursday,	"	—,	Thanksgiving Day. No Session.
Saturday,	December	19,	Last Session preceding Holidays.

1897.

Monday,	January	4,	First Session after Holidays.
Friday,	February	12,	Lincoln's Birthday. No Session.
Monday,	"	22,	Washington's Birthday. No Session.
Saturday,	April	3,	Last Junior Lecture.
Tuesday,	"	6,	Final Examination. Junior.
Thursday,	"	8,	Final Examination. Junior.
Saturday,	"	10,	Final Examination. Junior.
Friday,	"	9,	Last Senior Lecture.
Monday,	"	12,	Final Examination. Senior.
Tuesday,	"	13,	Final Examination. Senior.
Wednesday,	"	14,	Final Examination. Senior.
Thursday,	"	22,	Thirty-seventh Commencement.
Thursday,	"	29,	First Botanical Excursion.
Thursday,	May	6,	Second Botanical Excursion.
Thursday,	"	20,	Third Botanical Excursion.
Thursday,	June	3,	Fourth Botanical Excursion.
Thursday,	"	17,	Fifth Botanical Excursion.
Thursday,	July	8,	Sixth Botanical Excursion.

NOTE.—Botanical Excursions are free to students and graduates. Those desiring to attend these excursions will at the close of the term, notify the Actuary, who will, before each excursion notify them as to the hour and place.

ROLL OF GRADUATES

.... OF THE

CHICAGO COLLEGE OF PHARMACY

N. B.—Please report any errors or omissions in the roll
to the Actuary of the college.

1861.

Henry Tomboeken
Thomas Whitfield

1871.

F. M. Goodman

1873.

Frank Snodgrass
Adolph G. Vogeler
Charles Zimmermann

1874.

George H. Ackerman
Henry W. Buchman
Charles M. Ford
L. C. Hogan
Frank J. Merz
**Joseph Rohrer
Joseph Rosenthal
Edward L. Stahl, Jr.
Littleton Thompson

1875.

Robert H. Cowdrey
Chas. Wm. Jacob
Charles Krusemark
**Hugo W. C. Martin
Ph. John Mueller
Andrew Scherer
Thomas P. Smith
Fletcher S. Smith
William F. Woodson

1876.

E. G. F. Bischoff
A. G. Hammer
Geo. W. Hoyt
**J. M. Kirkley
Geo. H. Loesch

La Motte Lovett
J. L. Mulfinger
A. R. Thurber
F. C. Werner
J. H. Wilson

1877.

R. B. Arnold
J. H. Marshall
Frank G. Somers
Emil A. Zahn

1878.

A. T. Fleischer
**Fred J. Golling
J. J. Holzschuh
**Wm. Hundt
E. O. Lackner
F. M. Lewis
J. F. Meister
W. C. Ohlendorf
R. Rahr
B. L. Roos
Otto Schaefer
Max Schmeling
A. C. Wehrli
Paul Zindler

1879.

Chas R. Bechmann
James Casey
Julius Cunradi
Charles F. Elsner
Chas. Hattermann
George Marti
Rudolph E. Rhode
Hugo Robinson
John Rudolphy
Emil Schmitt

Richard Seward
Thos. Sollitt
Fred A. Thayer
Geo. H. Vaupell

1880.

John F. Coleman
**George E. Dickinson
W. F. Dunham
Richard C. Frerksen
Sidney S. Hotchkiss
August Jacobson
Chas. J. Nohe
**Emil Otto
Henry C. Pilgrim
William W. Pearce
Fred M. Schmidt
Fred H. Secord
Otto G. Stolz
Charles F. Sturges
Emil Thiele
Mrs. Celia Tirrell
Fred Voegeli
William W. Wyckoff

1881.

John Conrad
George L. Cooke
J. L. T. Davison
C. Engsborg
Newton Gray
F. Handtmann
F. W. E. Henkel
S. H. Jackson
Adolph Karpen
Charles Knoblauch
C. E. Kreyssler
F. A. Leusman
Fritz Lueder

** Deceased.

ROLL OF GRADUATES—Continued.

Albert G. Manns
S. H. McCammon
**Wm. G. McDougall
**E. K. McPherson
Charles L. Schaar
E. E. Schaeffer
W. I. Schockey
A. W. Schultz

1882.

F. L. Abbott
C. G. Bittner
C. G. Buck
A. F. Burk
E. E. Evans
H. M. Ehrlicher
O. F. Fisher
Geo. H. Hartz
E. A. Horn
**W. F. Justi
J. F. Keneagy
C. E. Marshall
A. L. Ohlendorf
W. S. Scharzel
L. C. Staudt
E. Wunderle
G. W. Whitfield
C. L. Walther
J. Walther
Ernest Zimmermann
Eugene Zimmermann

1883.

L. Armbrecht
P. J. Behrens
W. J. Cody
Frank Greit
C. H. Grube
O. J. Haberer
J. T. Huston
W. H. Krouskop
F. R. Leonard
J. A. Lydston
H. Miexsell
W. B. Moore
Julius Mayr, Jr
**F. R. Murphy
F. M. Parker
C. E. Pollock
R. S. Rahte
H. C. Reche
D. P. Russell
F. M. Schulz
W. S. Sedgwick
William Siniger

**Deceased

G. C. Spaeth
George Starr
W. R. Vaupell
Adolph Wiese
J. F. Wilkinson

1884.

Joseph W. Adams
Frank H. Ahlborn
W. W. Albers
Will J. S. Angear
Clifton S. Arnold
George R. Baker
Henry A. Bischoff
Abraham Brown
Frank A. Butler
Eben Carlsson
Henry W. Carter
George C. Congdon
George H. Culver.
M. S. Cummings
C. P. Finley
Edward L. Fish
E. E. Foster
Frank S. Foster
James L. Franken
Anton P. Freund
William R. Gatton
O. H. Hand
Charles Hatterman
John Hildebrandt
William J. Hughes
William F. Irving
Edward F. Johnson
J. B. Johnson
C. C. Kennedy
John C. Kiessling
F. R. C. Kleene
William Kneviit
Robert Metz
George P. Mills
E. Don Murphy
Gilbert S. Peyton
Theodore Roos
Charles K. Ross
A. E. Schreuder
Joseph I. Schimek
Albert Schreiner
Joseph H. Schmidt
Arnold Thies
Henry F. Thoma
L. M. Thompson
Charles H. Trowbridge
C. Vanderpoel

R. Waldin
H. H. Walsh
C. A. Webster
Albert Weil
O. G. Wernicke
Chas. H. Wiese
Eli R. Wolfner
**C. H. Ziepprecht
Robert Zimmermann

1885.

Carl Aldenhoven
A. W. Baer
George F. Bauman
George B. Barwig
Edwin L. Becker
F. W. Benson
Oscar S. Betting
Charles Blodgett
George W. Boalch
Peter R. Bogan
Walter A. Brabrook
Horace H. Brown
Albert Collins
Frank Falkenberg
John Fitz Simon
John B. Frohn
David H. Galloway
Louis F. Gmelich
Henry Ph. Grimm
Otto J. Hartwig
John S. Hays
George K. Herman
Chas. J. Heylman
William J. Hocking
David S. Horton
Jacob Johnson
**Frank P. Kaun
William T. Klenze
A. C. Klucker
Louis Lehman
Alfred Lueders
John Lynch
John A. McDonald
Phillip H. Mallen
William T. Mason
Adolphus F. McMahon
Frank Mares
Frank B. Parnell
Henry Ivan Parry
Edward K. Porter
William A. Puckner
Warren M. Pearse
Louis H. Reuter

ROLL OF GRADUATES—Continued.

Frederick T. Robinson
 **A. L. Russell
 Louis A. Sandmeyer
 Edward Sauerhering
 Jacob Shaefer
 Ernst A. Schmidt
 John R. Shean
 Edward Shumpik
 John M. Smail
 **Edward Strail
 M. R. Stuart
 Louis S. Schreuder
 William S. Taylor
 David S. Von Riesen
 William C. Wermuth
 Arthur A. Winter
 John C. Wise
 Geo. F. Wisshack

Summer, 1885.

S. W. Hurst

1885 and 1886.

Emil Ackerman
 A. I. Agnew
 J. H. Atkinson
 S. P. Bard
 Victor Bardonski
 O. C. Bechmann
 Geo. H. Bedard
 A. J. Behrendt
 Jennie E. Bell
 F. P. Boyden
 J. H. Breasted
 Herman Breves
 Harry Brisley
 Samuel Case
 John Chwatal
 Michael Clemens
 Elmer E. Day
 Alvin Dietz
 O. A. Dreier
 W. A. Dyche
 John P. Eckers
 Paul J. Faber
 Frank H. Gardner
 Frank Gazzolo
 O. A. Gieseler
 E. F. Glaser
 Charles Goetz
 Edwin Hall
 **Geo. B. Heine
 Geo. T. Hendrie

**Deceased.

C. Hirsch
 Chas. B. Hoskins
 C. J. Kasbaum
 L. W. Kendall
 W. C. Kirschgasser
 John A. Kleinman
 L. W. McConnell
 C. B. Martin
 A. J. Mehl
 John A. Mell
 A. Miller
 O. J. Mitcham
 J. W. Morse
 Howard Mountain
 L. E. Peyton
 A. S. Putnam
 L. H. Reuter
 A. M. Reis
 Wm. Renz
 Frank Sampson
 C. Spiehr
 F. J. Steker
 H. K. Stewart
 Geo. I. Vincent
 C. H. Wagner
 Vernon X. Waldron
 Arthur Wallace
 J. D. Webb
 Ewald Weber
 John Weis
 E. H. Weiser
 Julius Wendel
 W. W. Wickel
 L. Wilson
 Jos. C. Wirthman
 George F. Woodruff
 Nicholas Zender
 Julius M. Zindt

Summer, 1886.

Fred H. Busse
 Darwin Doolittle
 Henry T. Decker
 Lewis Ellsworth
 Charles A. Foster
 Emil Fischel
 Edwin Franken
 Albert Goetz
 P. Bertram Hanson
 James E. Harrington
 George Jay
 Asher D. Keim
 Louis P. Kotz
 King G. Kellogg

Edward R. Kilner
 Herman Mai
 Wm. B. McVicker
 John C. Nitzsche
 Aug. D. Pitts
 Julius A. Renner
 T. Corwin Rummell
 Fred A. Rometch
 Charles A. Seely
 Charles B. Springer
 S. Grant Stannard
 Ernst J. Thiele
 A. Eugene Thompson
 Geo. L. Van Gorder
 Richard Voge
 Fred B. Wieneke
 John F. Warnick
 Emil M. Warhanik

1886 and 1887.

Edwin W. Brundage
 Rudolph P. Braun
 Milton M. Bradley
 Wm. T. Brennan
 **Benjamin F. Brown
 Chas. L. Boswell
 Wm. W. Christian
 Edward L. Caron
 Chas. Cunradi
 Herman Fry
 Edward B. Featherston
 Henry F. Goosen
 Max A. Goltz
 Charles L. Gopen
 Chas. A. Gamm
 Clifford D. Kelley
 G. Kneussl
 George Karg
 Frank C. Lund
 Abram F. Long
 Frank G. Mason
 Richard Merz
 Charles A. Meyers
 Wm. F. Pearson
 Constant U. Peterson
 Chas. R. Patchen
 Edward Riegel
 Finley Ross
 Edgar G. Sollitt
 Wm. L. Smith
 Fred F. Seville
 Thos. C. Senn
 Henry Schneider
 Owen R. Tredway

ROLL OF GRADUATES—Continued.

Franz Thomas
Hugo Von Herman
Aug. A. E. Venn
Oscar D. Whalin
Henry W. Weihe
John W. White
**Chris Whitley
John H. Xelowski
Morris A. York
Albert Zimmermann

Summer, 1887.

Chas. E. Boddiger
Alfred N. Boe
Louis Brinkman
Herman R. Cunradi
Otto Doerrlamm
A. Emil Hiss
Wm. M. Jewell
Emma Kaufmann
Chas. J. Lapp
Florence M. Oliver
Frank B. Stephens
Chas. F. Smith
**Samuel A. Slater
James Arthur Thomas

1887 and 1888.

Albert H. Brooke
William A. Buchholtz
Herman O. Breunert
James W. Charters
Harry A. Clark
John R. Cunningham
Aldus L. Coppock
Chauncey F. Chapman
William J. Carpenter
**William E. Doolittle
Joseph T. Delfosse
Henry G. Dinet
J. C. Dallas
Elmer L. Erb
Edward Felter
Christian Gorder
Joseph E. Grubb
Herron K. Hibben
Peter G. Hartz
Edward J. Healey
**Charles M. Hunt
Wm. Ernest Holland
John Kneer, Jr
Jacob Kolb
G. Albert Knoblauch
Henry W. Kurth
Isam M. Light

**Deceased.

Allen V. Lane
Herman Lambeck
Henry F. Matthews
John I. Matkin
Charles W. Melton
Ben D. Merrell
William E. McGee
Carl G. Muehlmann
Henry Niemeyer
George G. Pfleger
Monroe T. Moss
William A. Quinn
William C. Robertson
William B. Sheppard
**Karl Reinhold Springer
Edward T. Studness
Frank S. Van Pelt
Lawrence Whaley
Clayton W. Wilson

Summer, 1888.

John Charles Beck
William Craig Barrett
Robt. McPherson Bell
Theo. M. Brenton
Joseph Cauwenbergh
John Albert DeGough
Martha Dunkel
Anthony Ertel
George B. Farrar
Watson W. Fordham
Charles F. W. Geisse
Wm. Edward Greiner
Fred Hildebrandt
Will Cleveland Hovey
Fred P. Kennedy
Jas. Grattan Kennedy
Maximilian Kneussel, Jr
Wilhelm Luckenbach
Charles B. Moellering
W. F. Meyer
Orlando S. Moore
Louis John Pelek
Joseph Smith Pigall
Edward Penberthy
John Schoke
Frank Smith
Thos. W. Sanders
Allen Salter
**William J. Schott
Edward B. Schoenike
Eugene S. Upson
Lambert S. Wintersteen
William J. White

1888 and 1889.

Thomas D. Armistead
Louis A. Becker
C. Kirby Brown
William A. Converse
Benjamin S. Cooban
Harry E. Cooling
Richard F. Curti
Albert H. Czerwinski
David D. Doolittle
William A. Engsborg
Lincoln L. Eves
William L. Faust
Benjamin F. Garver
George E. Gorton
Edward L. Graham
Edward T. Granacher
John D. Grundy
William R. Hamilton
J. Finley Hocking
Charles R. Johnson
Charles Grant Kline
John G. Lane
Clarence R. Le Bar
Ernest A. Matthaai
Cornelius W. McDonald
Thomas H. McInnerney
J. Henry McKie
Thomas F. Menough
John N. Neeb, Jr
Alfred H. Noster
Joseph H. Reimers
George C. Rew
Edward T. Richards
Randolph R. Rogers
Harry A. Ruehl
Richard P. Sachse
Eugene A. Sayre
Louis E. Schmidt
Fred O. Schmidt
Samuel C. Sheppard
Charles W. Schroeder
Rudolph J. E. Sievers
George W. Sohrbeck
**Joseph M. Stang
Julius P. Schuh
William G. Valentine
Arthur B. Voak
Edmund L. Warner
Ada G. Wheeler
Clarence P. Wikoff
Harry W. Woodruff
Sumner H. Williams

ROLL OF GRADUATES—Continued.

Summer, 1889.

Emil C. L. Behrens
 Frank W. Bloom
 Dan Britell
 Herbert H. Broadie
 Henry O. Butterworth
 William D. Chandler
 *William J. Clancy
 *Frank D. Dempster
 Edward L. Dennison
 Will Dice
 Mary F. Fyler
 John P. Garner
 **William F. Harris
 Sheldon A. Heald
 Frank J. Hoy
 George A. Huscher
 Charles C. Kehner
 *Leslie W. Kinyon
 George Lenz
 Carl L. Lindemann
 *Henry Lubbinga
 Grant McFerson
 *Richard H. G. Netz
 Walter W. Parks
 Charles H. Rimmele
 William Storck
 †*John Turge
 Henry Voegeli
 Leonard E. Welch
 William W. Whitley
 Chester B. Williams
 John G. Woodfill

1889 and 1890.

Nathaniel H. Adams
 *Charles Albrecht
 Charles M. Anderson
 Merchant E. Austin
 Carl W. Brinkhoff
 Louis V. Bruns
 Seth N. Dewey
 Louis A. Druehl
 Otto D. Ehrlicher
 B. Errol Fisk
 Ed. Fraser
 W. F. Froeschle
 Frank F. Fritz
 H. E. Goldberger
 William S. Haring
 Emil A. Hartke
 Dyar C. Hazelrigg
 Henry Heine
 Otto W. B. Henssler

Gustave C. Heppe
 Frank C. Kellogg
 Otto Klimmek
 Melville C. Knapp
 William G. Law
 Oscar F. Lengacher
 Oscar Lowenthal
 Louis Marnitz
 Henry C. Maurer
 William F. O'Reilly
 †Otto E. Paul
 James S. Rankin
 Harold M. Rhinehart
 Parmer Rossman
 *Louis C. Schultz
 John E. Sears
 *Benjamin R. Smith
 Otto E. Stenicka
 Pughsley S. A. Stewart
 Charles F. Stockert
 William H. Stolte
 Charles A. Thayer
 Albert Timke
 **Albert L. Tomlinson
 William B. Tuteur
 James K. Walton
 John Woltze
 John J. Wuertch
 George Zoeller

Summer, 1890.

Christian Bors
 Geo. Robert Brinson
 Eugene Howard Brown
 †Mrs. Adeline Emilia P.
 Cummings
 *Paul A. Derge
 Fred Eichberg
 Albert H. Eymann
 Nathan L. Frank
 T. Edwin Greenwood
 Martin Heinemann
 Frank H. Jones
 Lorenz W. Kortebein
 Lars P. Larsen
 William Lenz
 George L. McKinstry
 Herman H. Nagel
 Ernest August Nordling
 Chas. B. Paddock
 Charles F. Paul
 Samuel V. Ramsey
 †*Charles J. Scherer
 Fred'k W. Schumacker

†Walter Shumway
 Harvey A. Stillman
 Geo. A. Thomas
 William Weber
 John A. Weeks, Jr.
 Carl F. Weiner

1890 and 1891.

Frank Burlin
 †*Otto Bruder
 J. W. Blackburn
 Geo. C. Dunning
 Clarence Dunavan
 Herbert F. Flannery
 Arthur S. Keats
 C. A. Knappenberger
 *Robert Mosser
 W. Henry Matthes
 Chas. W. Mallory
 *Clayton B. Meade
 R. H. McCoy
 Alfred W. Norling
 **Thos. Powell, Jr.
 Louis Plitt
 George Schreiner
 *Thomas Y. Scott
 Otto H. Stiller
 Arthur Thorsen
 Chas. C. Thiel
 F. O. Thomas
 E. J. Wagner

Summer Class, 1891.

Willis Edwin Andrews
 Edwin Stephen Bernard
 *Rush Grant Brown
 *John Albert Butt
 Horatio E. Cain
 Theodore Dewitz
 *John Theodore Fogas
 Wm. Hicks Garrison
 **Roland Wm. Herker
 William Philip Knoche
 Simon F. Luckenbach
 *Chas. McClanahan
 Malcolm McKay
 Wardale Otto McKelvey
 Chas. August Matther
 *†Pierre Pinckney
 Frank Herman Schembs
 Wm. Wallace Taylor
 Chas. Cushman Willits
 James Scott Wead, Jr.

** Deceased. † Biorth Prize Microscope. ‡ Alumni Medal.

*Honorable Mention.

ROLL OF GRADUATES—Continued.

1892.

Frederick J. Amphlett
Benjamin H. Angear
Frederick G. Burnitt
*George E. Case
Herbert H. Crawshaw
††William B. Day
Otto L. Graessle
William W. Hall
John H. Harsch
Reinhart W. Hartwig
Claus H. Heddens
William F. Horn
*Harry J. Hughes
*Charles C. Hummel
Charles F. Koenig
Adolph F. Kiessling
Berthold O. Krueger
Ernest A. McVay
Henry M. Moffett
P. Alfred Nystrom
*Arthur E. Paul
Charles H. Sandmeister
Albert W. Schroeder
William K. Speice
Ernest J. F. Tanke
Elba Vandike
William S. Voit
Paul Wickert

1893.

Andrew Hamilton Barber
Delore Joseph Bechard
*Richard James Bedford
Berthold H. Bellack
Henry Brown Cate
John Byre Chenoweth
James Patrick Crowley
Max Christopher Dobbratz
Benjamin Franklin Farris
John Grant Gage
Frank Henry S. Gazzolo
William Emory Grace
Chas. J. Grady
Ernest Joseph Heiss
**William Harvey Helm
August Hermansdorfer
John William Herzog
Bruno A. Hoelzer
Sherman Grant Hull
*Ephraim D. Irvine
*David Kaplansky
Joseph C. Kleiner

John Edward Klenze
John Frederick Kuhn
Frank C. Linn
*Albert Lloyd Logan
Robert Edward McCracken
Frank B. Mix
Adolph Rudolph Pfafflin
Frederick William Rauth
Robert Reuter
*Paul Frederick A. Rudnick
Frederick Rudnick
Ignatius Albert Schimek
William H. Schmiedeskamp
William Edward Shean
*Charles John Snyder
Alexander Caldwell Stuckey
Lycurgus Stockton
Herbert Thomas Struthers
Albert Frederick Steker
Wesley B. Steenburg, M. D.
§*Ernest Henry Stolz
Olin Ray Taylor
James Ora Van Nice
Otto George Waskow

Henry Alexander Nielson
Roger William O'Brian
Godlove Sheriff Orth
William Andrew Plice
George Herman Rahlfs
Charles Asbury Roark
William Hiram Rudder
John Francis Schefcik
Frank Seward
Oscar U. Sisson
Frank Hue Spiller
Charles Leonard Stillman
John Stuchlik
*William Arthur Stuchlik
**John E. Thomas
*Albert David Thorburn
Alfred Emil Trischmann
Henry Herman Weissenborn
Ferdinand Benjamin Wendt
Guy Aden Wiley
*Franklin Samuel Wilson
Richard Edwin Yarnldley
Emil Carl Zobel

1895.

1894.

James Andrew Anderson
William Benjamin Behrens
*Frederick Perry Bodinson
George Washington Bohn
*†Rudolph Breves
Leonhard Ormandus Breck-
woldt
Stonewall Lee Caine
Thomas Francis Cannon
Joseph William Chladek
Adolph Harold Christenson
Rollin Spelman Collins
Charles Christian Cook
*Willis Eugene Coolbaugh
Charles Edwin Cress
Henry Adolphus Delfosse
Elbert Lamont Fitch
Henry Ethelbert Gross
*Oscar Hallenberg
Frederick Hunsche
Philip Jacobus
*Adolph Onesime Kacz-
roski
Charles Louis Krause
Julius Augustus Lorenz
Robert Henry McKenzie
**William Morris Nachtway

William Vincent Anderson
Frank Ammi Bissell
Henry Lee Brandon
Walter Thomas Braun
Joseph Liddicoat Champion
William Frederick Crell
*Rupert Chancey Drew
Frank Irving Ellis
**Otto Francis Engstrom
Daglon Flavin
†*Edmund Norris Gather-
coal
William Sebastian Gille
*John Hans Greves
Edmund Ommen Haschen-
burger
George Albert Hops
*Ralph Wilbur Hull
William Henry Kinsley
Theodore Fridolin Kneer
Henry Otto Koehler
L. Z. Lantz
Oliver Blood Leonard
George Lorch
Lorin Quamo McCauley
Joseph Stephen Mattas
Albert Miller
Elbert Ferguson Nebeker
Alfred Charles Nordvi

** Deceased. † Biroth Prize Microscope. ‡ Alumni Medal. * Honorable Mention. § Research Prize.

ROLL OF GRADUATES—Continued.

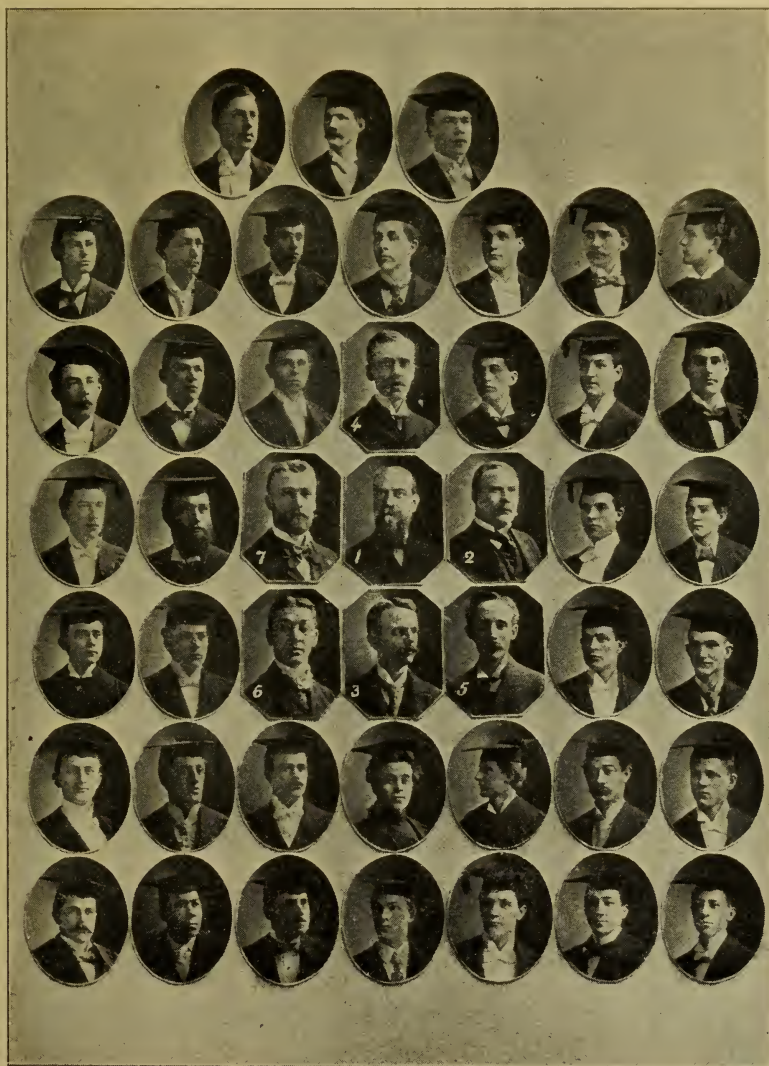
Julius Wilfred Ohlman	Walter Henry Schoening	James Albert Stewart
*George Lewis Peck	*David Leo Schram	Franklin David Striebel
David Theophilus Powers	Alfred John Schwarz	James Edwards Thomson
Charles Arthur Rickfort	Arthur William Stadelman	Adolphus Umenhofer
Antonio Romano	Ignatius Valerius Stanley	John Frank Vonckx
Claude Arthur Root	Stanislaus	Knut Albert Weydell
†*Henry Peter Sandkoetter	Franklin Filmore Stebbings	*†William Andrew Zacharski

GRADUATES 1896.

NAME.	PRECEPTOR.	RESIDENCE.
Herman Gustav Arndt,	A. H. Luckenbach,	Oconto, Wis.
Oscar Berglund,	G. E. Berquist,	Lindsborg, Kas.
††Ellis Clyde Datin,	A. C. Mills,	Nauvoo, Ill.
George Seaver Ellis,	Buntin Drug Co.,	Terre Haute, Ind.
Herman Louis Elich,	H. Elich, Sr.,	Chicago, Ill.
Melville Arthur Faris,	Faris Bros.,	Bloomington, Ind.
Samuel Tilden Gillispie,	H. R. Gillispie,	Hiawatha, Kas.
Carl Victor Green,	Adolph Ekstein,	Los Angeles, Cal.
Oliver Harstad,	F. Hansen,	Sioux City, Ia.
Rudolph Stephen Heck,	Voegeli Bros.,	McGregor, Ia.
*Lucy Heinemann,	M. Heinemann,	Chicago, Ill.
Alfred Ernst Herr,	Albert Miller,	Chicago, Ill.
*Herman Hollander,	E. F. Richter,	Galena, Ill.
Elias Palmer Hubbard,	Richard Merz,	Chicago, Ill.
Joseph Frederick Hummel,	A. Hummel & Co.,	Grundy Center, Ia.
Otto Charles Koelle,	F. Hansen,	Sioux City, Ia.
William George Krieter,	E. C. Scholer,	Palatine, Ill.
Leo Servatus Joseph Linden,	C. C. Thiel,	Chicago, Ill.
August Albert Ferdinand Lueck,	R. L. Spence,	Tomah, Wis.
Charles Romain Long,	J. Craig Long,	Howard Lake, Minn.
John Adams Mertes,	A. L. Coppock,	Chicago, Ill.
Edward Michael Moran,	W. F. Woodson,	Michigan City, Ind.
*Edward Stuart Patten,	E. Patten,	Carbondale, Ill.
Harry Eugene Rowe,	Morahn Bros.,	Sheridan, Ill.
William Schlunkman,	P. H. Breer,	Quincy, Ill.
†Louis Ignatius Schreiner,	W. E. Lindsey,	Danville, Ill.
*Charles Frederick William Schultz,	I. W. Blood,	Columbus, Wis.
Frank Henry Schwertfeger,	Henry Geiss,	Muscatine, Ia.
Ashton Staman,	J. Chilcote & Co.,	St. Joe, Ind.
Henry John Louis Steege,	H. J. Baumann,	Dundee, Ill.
Francis Gus John Stieber,	F. Lueder,	Peoria, Ill.
*Clyde William Townsend,	S. S. Savenberge,	Vandalia, Mich.
George Charles Weinberger,	C. M. Weinberger,	Chicago, Ill.
Robert Edward Lee Williams,	W. M. Scarborough,	Morrilton, Ark.
Thaddeus Zigmund Xelowski,	J. H. Xelowski,	Chicago, Ill.

PHARMACEUTICAL CHEMISTS.

Edwin Fellows,	C. B. Springer,	Leando, Ia.
George Emil Kurtz,	Geo. B. Bennett,	Paris, Ill.
Rudolph John Lauterbach,	Dr. A. L. Bushby,	Gratiot, Wis.
†Dell Frank Riddell,	E. R. Vining,	Waverly, Neb.
Joseph Matthias St. John,	K. S. McLennan,	Carmi, Ill.
‡Biroth Microscope. †Faculty Medal. *Honorable Mention. ††Alumni President's Medal.		



THE 36TH GRADUATING CLASS, '96.

AND FACULTY:

- | | | |
|------------------------------|----------------------|---------------------------|
| 1. F. M. GOODMAN, PH. G. | 4. F. S. HERETH. | 6. A. D. THORBURN, PH. G. |
| 2. C. S. N. HALLBERG, PH. G. | 5. W. B. DAY, PH. G. | 7. G. E. CASE, PH. G. |
| 3. W. A. PUCKNER, PH. G. | | |

JUNIOR STUDENTS, 1895-96.


NAME.	PRECEPTOR.	HOME STATE.
Allen, Eugene D.,	J. H. Allen,	Illinois.
Alexander, John W.,	E. Patten,	Illinois.
Alley, Charles E.,	P. McCannell & Co.,	Iowa.
*Babb, Miss Alma,	.....	Indiana.
Bachman, Rudolph,	J. D. Forbes,	Iowa.
Bakkers, John,	Theo. Schmid,	Illinois.
Balensiefer, Otto,	F. P. Golliday,	Illinois.
Barnett, Charles A.,	M. E. Barnett,	Wisconsin.
Barnes, Charles C.,	J. W. Niece,	Illinois.
Behmer, Otto T. E.,	Wm. Beinssen,	Illinois.
*Behrens, Fred F. F.,	Max Behrens,	Illinois.
Bignold, Wilfrid J.,	C. Hollstein,	Illinois.
Blanchard, Harry E.,	A. O. Thompson,	Iowa.
Bleser, Joseph E.,	N. J. Bleser,	South Dakota.
Bowman, William T.,	Dr. J. W. Godfrey,	Illinois.
Boudinot, John E.,	G. W. Donnelly,	Illinois.
Barr, William C.,	P. Barr & Son,	Illinois.
Buckner, F. E. Albert,	Wm. Lenz,	Illinois.
Bucklin, J. Van Zandt,	J. T. Fleming,	Indiana.
Blackledge, John W.,	C. S. Allen,	Illinois.
Cameron, Fred J.,	G. B. Barwig,	Illinois.
Clark, Thomas A.,	Dr. J. A. Roberts,	Wisconsin.
*Clyde, Alfred E.,	Dr. A. A. Young,	North Dakota.
Corbett, Carl C.,	Corbett & Corbett,	Wisconsin.
Crawford, John W.,	J. W. Brinson,	Georgia.
Cumming, James W.,	A. J. Athay,	Illinois.
Davis, Frank C.,	.....	Kansas.
Dittman, George,	J. Schoenkaes,	Illinois.
Donaberger, Samuel B.,	I. M. Light,	Illinois.
Elliott, Miss Elizabeth,	Dr. Wm. Elliott,	Illinois.
Ellmann, Alfred,	A. H. Luckenbach,	Wisconsin.
Felton, Frank B.,	F. Stecker,	Illinois.
Finson, Thomas O.,	Gardner & Jasmer,	Nebraska.
*Fisher, Emil J.,	.....	Nebraska.
Flackenecker, Charles T.,	E. Marsh,	Illinois.
Friedgen, Harry R.,	Klein & Sawyer,	Indiana.
Friedrich, Louis,	John Ritter,	Indiana.
Fulghum, Charles C.,	J. C. Whiteford,	Indiana.
Gallagher, Harry M.,	R. C. Hattenhauer,	Illinois.
Goeppner, George C.,	A. P. Hess,	Illinois.
Gordon, Howard,	P. P. Gordon & Bro.,	Indiana.
Greenwald, William C.,	L. H. Mattern,	Indiana.
*Haglund, Ernest T.,	Jno. Hanson,	Wisconsin.
Hellmuth, Joseph A.,	Dr. J. A. Train,	Illinois.
Herard, George W.,	C. A. Livermore,	Iowa.
Hoch, Charles F.,	Fred L. Hoch,	Indiana.
Hull, Harry P.,	J. L. Congdon,	Michigan.
Ingersoll, Ralph G.,	.....	Illinois.
Julian, Harry W.,	F. Clapsaddle,	Illinois.
Jacobus, William P.,	Weston & Simon,	Illinois.
†Johnson, Edwin R.,	J. W. Bennett,	Iowa.
Johnson, George G.,	P. O. Norling,	Kansas.
Johnson, Axel F.,	M. A. Curtis,	Illinois.
*Kampman, Arthur,	C. Kampman,	Illinois.
Kennedy, Charles M.,	F. P. Kennedy,	Illinois.

†Trustees Medal. *Honorable Mention.

JUNIOR STUDENTS, 1895-96—Continued.

NAME.	PRECEPTOR.	HOME STATE.
Kettering, Louis,	S. Kettering,	Iowa.
Kops, George J. W.,	G. F. Starr,	Illinois.
Kretschmer, Herman,	F. Eichberg & Co.,	Illinois.
Kuflewski, Stanley J.,	W. A. Kuflewski,	Illinois.
Lacharty, William A.,	Valentine & Berger,	Ontario.
Lange, Louis,	C. B. Wilson,	Illinois.
Loeffler, Richard A.,	O. J. Hartwig,	Illinois.
Le Fevour, Frank J.,	C. D. Hurlbert,	Illinois.
McKenna, Daniel C.,	C. L. Lindemann,	Illinois.
McMillan, Edward,	Moore & Goodson,	Missouri.
Magee, Robert J.,	Magee & Co.,	Illinois.
Martin, John W.,	.....	Georgia.
*Menn, Harry G.,	A. Achelpohl & Son.	Illinois.
Mentz, Otto H.,	W. T. Klenze,	Illinois.
Moore, Arthur T.,	J. A. Smith,	Illinois.
Morgenweck, John J.,	J. F. Bachmann,	Illinois.
Morrison, George V.,	.....	Illinois.
Muriett, Jesse A.,	M. D. Wilber,	Illinois.
Murphy, Bernard E.,	J. McCabe,	Illinois.
O'Neil, Daniel T.,	.....	Wisconsin.
*Parsons, Edward C.,	W. S. Branch,	South Dakota.
Pier, Harry J.,	Emil Brauch,	South Dakota.
Pitts, Bentley,	S. F. Ade,	Illinois.
Porges, Otto,	Francis Squair,	Illinois.
Psybylski, Adam S.,	W. H. Stolte,	Illinois.
Rabinoff, Max,	.....	Illinois.
Rakebrand, Charles,	C. F. Baseler,	Illinois.
Robin, Luba J.,	Isaac Robin,	Illinois.
Roth, Albert,	A. Movitt,	Illinois.
Renshaw, Charles J.,	.....	Illinois.
Samuels, John J.,	E. J. Knothe,	Illinois.
Samuelson, Carl J.,	W. B. Tuteur,	Illinois.
Schlehuber, Fred.,	H. M. Ehrlicher,	Illinois.
Schrodt, Jacob,	W. A. Ball,	Illinois.
Schwarz, Hiram,	E. A. Holroyd,	Illinois.
Sexton, William T.,	W. Kennedy,	Illinois.
Siellaff, William C. H.,	M. I. Isgrig,	Illinois.
Smith, George W.,	A. H. Morris,	Nebraska.
Smith, Clarence V.,	G. G. Davis,	Illinois.
Somarindyck, Arthur,	C. E. Kreyssler,	Illinois.
Stenicka, Joseph A.,	F. & O. Stenicka,	Wisconsin.
Stodola, Alois J.,	H. F. Thoma,	Illinois.
Storen, Mark T.,	W. W. Sawyer,	Illinois.
Stroetzel, William,	F. Schapper,	Illinois.
Sweeney, John D.,	G. G. Shauer,	Illinois.
Teufer, Joseph F.,	Cerney & Mrazek,	Illinois.
Van Buren Evert,	Geiselt & Zellers,	Nebraska.
Waldron, William F.,	W. K. Forsyth,	Illinois.
Weirick, Charles J.,	H. A. Weirick,	Illinois.
Wellman, Walter H.,	Miller & Arthur,	Illinois.
Wendt, Jacob A.,	O. G. Haller,	Illinois.
Wickert, Louis,	C. F. Elsner,	Illinois.
Winne, Charles W.,	Chas. Rice,	Illinois.
Wiener, Justin S.,	Dr. C. M. Excell,	South Dakota.
Wondreyka, Bohumil J.,	C. C. Thiel,	Illinois.
*Wooster, Mortimer S.,	S. S. Wooster,	Ohio.

*Honorable Mention.

 This application should be filled out by the student intending to take the course, cut out, and mailed with a payment upon tuition of not less than five dollars to the Actuary. Seats in the lecture hall and desks in the laboratories are reserved in the order in which these are received.

CHICAGO COLLEGE OF PHARMACY

The School of Pharmacy of the University of Illinois.

MATRICULATION BLANK.

.....1896.

1. Name (first, middle and surnames, all to be written out in full).
.....
2. Age.....years and.....months.
3. Where and when born?
.....
4. Home address?
.....
5. State the names and addresses of the several pharmacists, if more than one, with whom you have been employed during your experience in the drug business, and the length of time you served with each.
Name
Address
Time.....YearsMonths.
Present or last preceptor—
Name
Address
Time.....YearsMonths
6. Total experience in the drug business up to date.
YearsMonths.....
7. Have you attended any college or school of pharmacy before? If so, name the institution, the year, and the class.
.....
8. What other educational institution (schools or colleges) have you attended, and how long?
.....
.....

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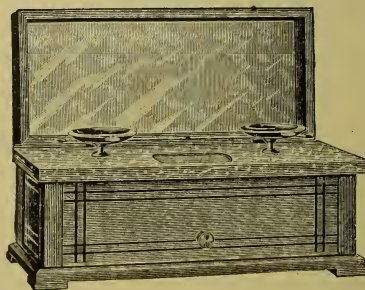
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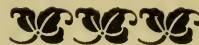
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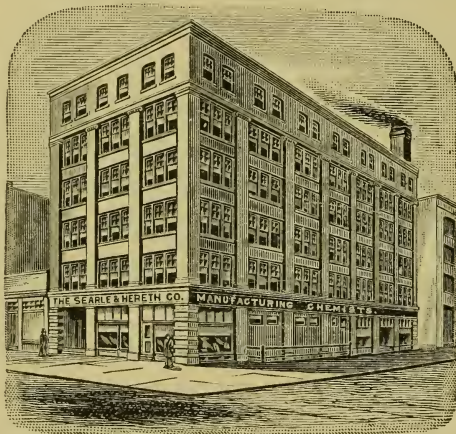
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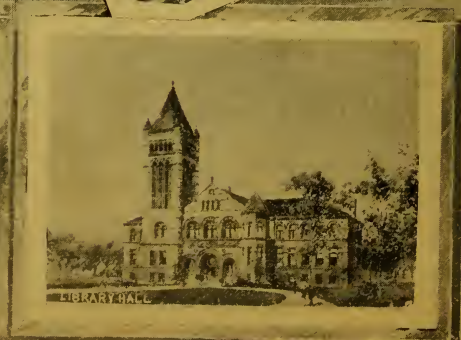
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